

4. Reports on the Collections of Birds made during the Voyage of H.M.S. 'Challenger.'—No. IX. On the Birds of Antarctic America. By P. L. SCLATER, M.A., Ph.D., F.R.S., and OSBERT SALVIN, M.A., F.R.S.

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In this report the birds collected at the island of Juan Fernandez, at various points during the subsequent passage along the coast of Patagonia, and at the Falkland Islands are noticed.

The 'Challenger' was at Juan Fernandez from the evening of the 13th to the evening of the 15th of November, 1875, and reached the coast of Patagonia on the 31st December, at Port Otway, east of Cape Tres Montes. On the 1st of January, 1876, a party landed on Penguin Island in Messier's Channel; and the same evening the ship arrived in Cove Bay. On the 2nd January parties were landed on Middle Island, on the 3rd at Gray Harbour, on the 4th at Grappler Harbour, on the 5th and 6th at Tom Bay, near the Trinidad Passage; and small collections were made at each place. On the 8th of January the ship arrived at Porto Bueno, and remained there till the 10th. The same evening a party was landed at Isthmus Bay, and a few birds were obtained. From the 11th to the 13th the 'Challenger' remained at Port Churrucha, and proceeded thence to Port Famine. From the 14th to the 17th she was at anchor off Sandy Point, whence she proceeded through the straits, and anchored about 10 A.M. on the 18th off Elizabeth Island. Leaving the Magellan's Straits, the 'Challenger' arrived at Port Stanley, Falkland Islands, on the 23rd of January, 1876, and remained altogether about two weeks at the Falklands.

During this entire period 169 specimens of birds were collected, which are referable to 41 species.

The ornithology of this part of the world is well known to us from the researches of Darwin, Cunningham, Philippi and Landbeck, and other naturalists<sup>1</sup>. It was not to be expected, therefore, that any novelties would be found during such a cursory passage along the coast.

1. *TURDUS FALKLANDICUS*, Q. et G.; Sci. et Salv. Nomencl. p. 2.

619-621, males, }  
622-625, females, } Juan Fernandez.

"Eyes brown, bill and legs yellow, feet a little darker yellow."

647, male, }  
648, female, } Gray Harbour, Messier's Channel.

"Eyes brown; stomachs had berries."

685, male, }  
686, female, } Port Churrucha.

"Eyes brown; stomachs had berries."

<sup>1</sup> See my address on Geographical Zoology in Rep. Brit. Assoc. 1875, p. 105, and my list of papers on the Birds of Chili, P. Z. S. 1867, p. 108.

The occurrence of this Thrush in Juan Fernandez is new to us<sup>1</sup>. The skins from that island do not differ from continental specimens. Specimens 647, 648, from Gray Harbour, Messier's Channel, and 685, from Port Churrucha (obtained in the month of January), are in nestling-plumage. The lower surface is thickly spotted with black; and the back-feathers carry light fulvous shaft-stripes, and are tipped with black.

2. *HIRUNDO MEYENI*, Cab.; *Sci. et Salv. Nomencl.* p. 14.

709, male,  
710, 711, females, } Sandy Point.  
"Eyes black; stomachs had insects."

3. *PHRYGILUS GAYI* (Eyd. et Gerv.); *Sci. et Salv. Nomencl.* p. 31.

662, 663, females, Porto Bueno.  
"Eyes red; stomachs had sand and grubs."

4. *PHRYGILUS MELANODERUS* (Quoy et Gaim.); *Sci. et Salv. Nomencl.* p. 31.

727, male, Falkland Islands.  
"Eyes black; stomach had seeds."

5. *ZONOTRICHIA CANICAPILLA*, Gould; *Sclater, 'Ibis,' 1877,* p. 47, pl. i. fig. 1.

702, 703, females, Sandy Point.  
"Eyes brown; stomachs had insects."

These skins are of young birds, and in a stage in which they cannot be distinguished from *Z. pileata*; but from their locality they should belong to *Z. canicapilla*.

6. *CURÆUS ATERRIMUS* (Kittl.); *Sci. et Salv. Nomencl.* p. 38.

645, male, Gray Harbour.  
"Eyes black; stomach had insects."

7. *CENTRITES NIGER* (Bodd.); *Sci. et Salv. Nomencl.* p. 44.

705-707, males, } Sandy Point.  
708, 708a, females, }  
"Eyes black; stomachs had insects."

8. *ANÆRETES PARULUS* (Kittl.); *Sci. et Salv. Nomencl.* p. 47.

665, female, Porto Bueno.  
"Eyes grey."

9. *ANÆRETES FERNANDEZIANUS*, Philippi; *Sci. 'Ibis,' 1871,* p. 179, pl. vii. fig. 1; *Sci. et Salv. Nomencl.* p. 47.

606-613, males, Juan Fernandez.  
"Eyes white; insects in stomachs."

<sup>1</sup> See article on the Land-birds of Juan Fernandez in 'Ibis,' 1871, p. 178.

10. *ELAINEA ALBICEPS* (Lafr. et D'Orb.); *Sci. et Salv. Nomencl.* p. 48.

688, male, Port Churrucha.

"Eyes black."

11. *TÆNIOPTERA PYROPE* (Kittl.); *Sci. et Salv. Nomencl.* p. 42.

704, male, Sandy Point.

"Eyes black; stomach had insects."

12. *CINCLODES PATACHONICUS* (Gm.); *Sci. et Salv. Nomencl.* p. 62.

629, male, }  
630, female, } Port Otway.

"Eyes hazel, feet horn-colour.

641, male, }  
642, young male, } Messier's Channel, Cold Harbour.

"Eyes brown."

No. 642, obtained Jan. 2, is a nestling lately flown.

13. *SCYTALOPUS MAGELLANICUS* (Lath.); *Sci. et Salv. Nomencl.* p. 76.

675, male, }  
676, female, } Porto Bueno.

"Eyes black; stomachs had insects."

680, male, Isthmus Bay.

"Eyes brown."

14. *PYGARRHICUS ALBIGULARIS* (King); *Sci. et Salv. Nomencl.* p. 67.

674, male, Porto Bueno.

"Eyes grey; stomach had insects."

15. *OXYURUS SPINICAUDA* (Gm.); *Sci. et Salv. Nomencl.* p. 62.

631, female, Port Otway,

"Eyes black; stomach had insects."

664, female, Porto Bueno.

"Eyes brown."

687, male, Port Churrucha.

"Eyes brown."

16. *EUSTEPHANUS GALERITUS* (Mol.); *Sci. et Salv. Nomencl.* p. 90; *Sci. 'Ibis,'* 1871, p. 181.

614-616, males, }  
617, female, } Juan Fernandez.

"Eyes black, legs black."

677, male, Porto Bueno.

"Eyes black."

The occurrence of this Humming-bird on Juan Fernandez is now confirmed.

17. *EUSTEPHANUS FERNANDENSIS* (King); Scl. et Salv. Nomencl. p. 90; Scl. 'Ibis,' 1871, p. 180.

575-580, 582, 583, 585, 586, 588-592, males, }  
593, 594, males (young), } Juan Fernandez.  
595-600, 603, 605, females, }

Of 575 to 592 it is noted by Mr. Murray—"All males, eyes black, feet and bill black; insects in stomachs. This was the most abundant bird on the island apparently. It would seem to be the male of the next lot (595-605)."

Of the last-mentioned lot, Mr. Murray noted, "I think there are strong reasons for believing that these are the females of the preceding. They were several times shot together on the same tree."

There can be no question of Mr. Murray's view being correct. See my notes on this subject in 'Ibis,' 1871, p. 181.

18. *CAMPEPHILUS MAGELLANICUS* (Gm.); Scl. et Salv. Nomencl. p. 98.

667, male, }  
668, female, } Porto Bueno.

"Eyes yellow, feet and bill black; stomachs had insects."

19. *CERYLE STELLATA* (Meyen); Scl. et Salv. Nomencl. p. 103.

628, male, Port Otway.

"Eyes black, feet yellowish green; stomach was empty."

638, male, Corr Harbour.

"Eyes brown; stomach had fish-bones."

649, male, Gray Harbour.

"Eyes black; stomach was empty."

20. *CONURUS SMARAGDINUS* (Gm.); Scl. et Salv. Nomencl. p. 112.

696, male, }  
697-699, females, } Sandy Point.

"Eyes red; stomachs had seeds; bill and legs horn-colour."

21. *OTUS BRACHYOTUS* (Forst.); Scl. et Salv. Nomencl. p. 116.

712, male, Sandy Point.

"Eyes yellow, bill black; stomach had a mouse in it."

717, male, Elizabeth Island.

"Eyes yellow, cere yellow, bill black; stomach had remains of mouse."

22. *GERANOÆTUS MELANOLEUCUS* (Vieill.); Scl. et Salv. Nomencl. p. 119.

713, female, Elizabeth Island.

"Eyes brown; stomach had goslings; cere yellow, tip of bill black, legs yellow."

23. *TINNUNCULUS SPARVERIUS* (Linn.); Scl. et Salv. Nomencl. p. 121.

700, male, Sandy Point.

"Eyes brown, feet yellow, bill bluish; stomach had remains of mouse."

701, female, Sandy Point.

"Eyes brown, legs yellow, cere yellow, bill blue; stomach had remains of small birds."

715, 716, females, Elizabeth Island.

"Eyes brown, legs yellow, cere yellow."

These specimens all belong to the form kept distinct by Mr. Sharpe (Cat. Birds, i. p. 439) under Swainson's title *cinnamominus*. But when a large series is examined, we find so many intermediate forms between *T. cinnamominus* on the one hand, and *T. isabellinus* on the other, that it seems better to keep these three continental forms all under one specific designation. On the other hand, the insular forms *T. leucophrys* and *T. sparverioides* of Cuba, and *T. dominicensis* of the other Antilles, seem to be fairly distinct.

24. MILVAGO CHIMANGO (Vieill.); *Scl. et Salv. Nomencl.* p. 122.

669, 670, females, Porto Bueno.

"Eyes brown, feet bluish grey."

695, male, Sandy Point.

"Eyes brown, bill yellowish tinge, legs blue."

25. POLYBORUS THARUS (Mol.); *Scl. et Salv. Nomencl.* p. 123.

679, male, Isthmus Harbour.

"Eyes brown, bill blue, cere flesh-coloured, and legs flesh-coloured."

684, male, Port Churrucha.

"Eyes brown, cere orange, legs yellow, bill bluish tinge."

26. CATHARTES AURA (Linn.); *Scl. et Salv. Nomencl.* p. 123.

*Enops falklandica*, Sharpe, *Cat. Birds*, i. p. 27, pl. ii.

731, female, Falkland Islands.

"Eyes brown; had remains of birds in the stomach."

We consider Mr. Sharpe's generic and specific names for this Vulture alike unnecessary.

Illiger, in his 'Prodrömus' (1811), gave two types for his genus "Cathartes," *Vultur papa* and *V. aura*. In 1816 Vieillot made two genera, *Gypagus* for *V. papa* and *Catharista* for *Vultur aura* and *V. atratus*. *Cathartes*, however, has been generally used for the latter group; and there is, in our opinion, no reason whatever for transferring it back to the former, which has an excellent and appropriate name in *Gypagus*. There seem to us no sufficient characters to separate the red-headed and black-headed species of *Cathartes* into two genera.

As regards the Falkland-Island form of *C. aura*, which Mr. Sharpe designates *Enops falklandica*, the differential character relied upon, which is, apparently, merely the slight greyish-brown margination of the secondaries, appears to us to be insufficient.

27. *NYCTICORAX OBSCURUS*, Bp. ; Scl. et Salv. Nomencl. p. 126.  
 655, female, Tom Harbour.  
 "Eyes orange, feet greenish yellow ; stomach had fish.  
 666, female, Porto Bueno.  
 "Eyes orange."  
 737, female, Falkland Islands.  
 "Eyes yellow ; stomach had crustacea."
28. *THERISTICUS MELANOPIS* (Gm.) ; Scl. et Salv. Nomencl. p. 127.  
 691, male, } Sandy Point.  
 692, female, }  
 Female, eyes red, feet pink, bill black.  
 Male, eyes yellow, bill green, legs pinkish with black scales.
29. *BERNICLA ANTARCTICA* (Gm.) ; Scl. et Salv. Nomencl. p. 128.  
 632, male, }  
 633, female, } Penguin Islands, Messier Channel.  
 634, young, }  
 635, young, }  
 "Eyes brown, feet yellow ; bill of male black, of female flesh-colour ; bill of young dark ; feet grey-brown ; stomachs had pieces of small stones, shells, and sea-weed."  
 736, female, Falkland Islands.  
 The two goslings (obtained January 1) are just changing their down, and present the black back, brown head, and barred wings and undersurface of the adult female partially developed. The sex is not noted in either of them.
30. *CHLOËPHAGA POLIOCEPHALA*, Scl. ; Scl. et Salv. Nomencl. p. 128.  
 643, male, } Gray Harbour.  
 644, female, }  
 "Eyes brown, feet and legs yellow and black ; stomachs had grass and berries."  
 658, female, }  
 659, female, } Tom Harbour.  
 658 *a*, young, }  
 658 *b*, young, }  
 "Eyes brown, bill black, feet yellow and black."
31. *MARECA SIBILATRIX* (Poeppig) ; Scl. et Salv. P. Z. S. 1876, p. 395.  
 719, male, Elizabeth Island.  
 "Eyes grey, bill black, feet black ; stomach had sand &c."
32. *SPATULA PLATALEA* (Vieill.) ; Scl. et Salv. Nomencl. p. 130.  
 694, male, Sandy Point.  
 "Eyes white, bill black, feet yellow ; stomach had pebbles, &c."

33. *TACHYERES CINEREUS* (Gm.).

*Tachyeres cinereus*, Scl. et Salv. P. Z. S. 1876, p. 402.

*Micropterus cinereus*, Cunningham, Trans. Zool. Soc. vii. p. 493.

651, female (young), Messier's Channel.

"Eyes brown; stomach had crabs."

656, young, Messier's Channel.

"Eyes brown, feet and bill black."

657, female, Tom Harbour.

"Eyes brown, bill yellow tipped with black, feet yellow; stomach had small pieces of sand."

678, male, Straits of Magellan.

681, 682, females, Port Churrucha.

"Weighed 8 lb. and 8½ lb."

725, 726, males (young), Falkland Islands.

"Stomach had shells from the kelp chiefly; bill black, feet yellow-brown."

There is nothing in the present series which would induce us to question Dr. Cunningham's view, that the "Flying Loggerhead" is the young of the ordinary species before it gets too heavy for flight. Such a specimen as "No. 681, young female," could evidently accomplish flight, which in large fully adult birds would be probably impossible.

In all the immature birds the bill is uniform black.

34. *COLUMBA ŒNAS*, Linn.

626, male, } Juan Fernandez.  
627, female, }

"Eyes orange, feet red, bill black."

No doubt an introduced bird; the two specimens vary in plumage.

35. *RALLUS ANTARCTICUS*, King; Scl. et Salv. Nomencl. p. 139.

693, female, Sandy Point.

"Eyes red, bill black, feet yellow; stomach had pebbles."

36. *VANELLUS OCCIDENTALIS*, Harting.

*Vanellus occidentalis*, Harting, P. Z. S. 1874, p. 451.

*V. cayennensis*, Sclater, P. Z. S. 1867, p. 331; Scl. et Salv. Nomencl. p. 142 (partim).

722, male, Elizabeth Island.

"Eyes pink, legs pink, bill black at tip, pink at base."

The characters given by Mr. Harting to separate this western form from *V. cayennensis* are slight, but, we think, on the whole, sufficient to justify the employment of his name.

37. *HÆMATOPUS LEUCOPUS* (Garnot); Scl. et Salv. Nomencl. p. 143.

636, male, Penguin Islands.

"Bill red, legs flesh, eyes orange."

653, female, } Tom Harbour.  
654, young, }

“Eyes orange ; stomach had mussels.”

“Eyes of young were brown, bill of adult red, feet flesh-coloured ; bill of young brown.”

661, female, Tom Harbour.

720, male, Elizabeth Island.

“Eyes yellow, feet flesh, bill red, eyelids red ; stomachs had mussels.”

38. *HÆMATOPUS ATER* (Vieill.) ; Scl. et Salv. Nomencl. p. 143.

721, female, Elizabeth Island.

“Eyes yellow, feet flesh, bill red, eyelids red ; stomach had mussels.”

39. *EUDROMIAS MODESTA* (Licht.) ; Scl. et Salv. Nomencl. p. 143.

646, female, Gray Harbour.

“Eyes brown ; stomach had insects.”

660, female, Tom Harbour.

“Eyes black ; stomach had insects.”

673, male, Porto Bueno.

“Eyes brown ; stomach had seeds and sand.”

690, male, Port Fanurie.

“Eyes brown ; stomach had sand.”

728, male, Falkland Islands.

“Eyes brown ; stomach had sandy particles &c.”

40. *GALLINAGO PARAGUAIÆ* (Vieill.) ; Scl. et Salv. Nomencl. p. 144.

671, 672, females, Porto Bueno.

“Eyes brown, feet bluish ; in No. 672 the feet are yellowish.”

729, male, } Falkland Islands.  
730, female, }

“Eyes brown ; stomachs had worms &c.”

41. *TRINGA FUSCICOLLIS* (Vieill.) ; Scl. et Salv. Nomencl. p. 145.

733, male, Falkland Islands.

“Eyes brown ; stomach had sand &c.”

5. Descriptions of three new Species of Birds from Ecuador.

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(Plates XXVII. & XXVIII.)

Mr. C. Buckley, during his recent second expedition into the eastern valleys of the Andes of Quito, has obtained a series of birds